



**CONESTOGA-ROVERS
& ASSOCIATES**

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January 26, 2004

US EPA RECORDS CENTER REGION 5



497010

Reference No. 32664-60

Mr. Brian Kelly
On-Site Coordinator
United States Environmental Protection Agency
Emergency Response Branch
9311 Groh Road, Room 216
Grosse Ile, Michigan 48138

Dear Mr. Kelly:

Re: Storage Tank Visual Inspection
Sybill, Inc. Site
Detroit, Michigan

Consistent with your previous conversations with Mr. Marc Gaudet and Mr. Bob Schloesser of Conestoga-Rovers & Associates (CRA), the purpose of this correspondence is to confirm the structural integrity of the decommissioned aboveground storage tanks remaining at the above-referenced Site subsequent to completion of the Removal Action. As required by the Removal Action Work Plan for the Site, the aboveground storage tanks were rendered unfit for further use by cutting holes in the tank walls.

On January 22, 2004, I inspected the decommissioned tanks to assess their condition accompanied by Ms. Liz Faler. Based on my observations, and previous experience with design, installation and decommissioning of aboveground storage tanks, the structural stability of the decommissioned tanks does not appear to have been adversely affected by the location and size of holes cut into the walls.

Attached please find my curricula vitae, which presents my qualifications. Should you have any questions regarding this matter, please do not hesitate to contact our offices.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Scott J. Adamowski, P.E.

EMF/mw/3/Det.
Encl.

c.c.: Ian Kerr, Altech
Marc Gaudet, CRA

EDUCATION

B.S. Union College, Civil Engineering, 1981

REGISTRATIONS AND CERTIFICATIONS

Professional Engineer – MI, OH, IN, IL, NY

EMPLOYMENT

2001- Senior Manager
Present Conestoga-Rovers & Associates
1999-2001 Senior Associate, Malcolm Pirnie, Inc.
1981-1999 Vice President, O'Brien & Gere Engineers, Inc.

PROFILE OF PROFESSIONAL ACTIVITIES

- AST / UST / Containment Systems
- Alternate Delivery/Design-Build-Operate, C/M
- Facility Upgrades and Deactivation
- Environmental Investigation, Remediation and Compliance
- Wastewater and Utility System Improvements
- Process Installation/Upgrade
- Supply/Demand Side Energy Management
- Pollution Prevention/Sustainable Design
- Strategic Environmental Management/ISO
- IT/Data Management

REPRESENTATIVE PROJECTS

AST / UST / Containment Projects

- **GM Milford Proving Ground, UST/AST Risk Management Project.** Managed a year-long program to inventory, evaluate and develop upgrades to GM's UST's, AST's and containment at this facility based on regulatory requirements and risk factors. The project included implementation of testing and repairs, investigative field work, detailed recommendations, coordination with a facility-wide, Corporate, Legal, and Regional "Fuel Management Team", and development of AR grade estimates planned for implementation in 2003 and beyond. This project followed a "Salt Team" project that

included design/build secondary containment for the facilities sodium chloride systems, and similar containment of 16 additional storage areas for bulk materials.

- **GM Lordstown Assembly AST Condition Assessments / Lordstown, OH.** Directed the engineering and field efforts associated with condition assessments on 8 AST's at this facility. The work included visual inspections on the AST systems, and performance of non-destructive, ultrasonic thickness testing on the tank shells on a grid established over the surface of the tanks. Work was accomplished with the support of UAW personnel and using man lifts to access the AST's.
- **Confidential Client: Design and Installation of Fuel Oil Storage Tank /** Conducted an evaluation, design and installation of a fuel oil storage tank system incorporating state and federal regulations; including secondary containment, cathodic protection, and monitoring requirements for this installation.
- **Chrysler Motors Warren Truck Assembly Plant: Condition Assessments of 15 AST Tank Farm / Warren, MI.** Directed the performance of condition assessments of 15 AST's at this facility. The assessments included corrosion studies of tanks and piping systems, internal inspections, non-destructive shell thickness testing, and recommendations for upgrades on these 15,000 gallon AST's containing various automotive fluids.
- **GM Powertrain: AST/UST Replacements / MI, OH, IN.** This program included major above and below ground storage tank removals and replacements at four GMPT facilities in Ohio, Indiana and Michigan. The project was valued at over \$8M and required over two years to complete. Project specifics included full engineering design, state-of-the-art components, partial design/build, fast-track components and full construction management, commissioning and startup.
- **GM: Bulk Fluid AST System Design / Romulus MI.** Directed the design of a \$3.5M bulk fluid handling system including 12 AST's, pumping systems, controls and secondary containment to hold and deliver fuels, oils, and solvents used at this Automotive Engine plant. The design and construction were under considerable scheduling pressure to meet a new vehicle launch timetable. This client's custom version of Masterspec software was used to generate the bid documents for all trades on this fast-track project.
- **Chrysler Motors – Toledo Assembly Hazardous Waste AST Condition Assessments / Toledo, OH.** Directed the performance of condition assessments on two 5,000-gallon AST's containing spent purge solvents from the paint process. These assessments included PID testing of fugitive emissions, conducting visual and historical engineering evaluations, and performance of non-destructive shell thickness testing on the tanks.
- **Ford Motor Company World Headquarters Tank Condition Assessment / Dearborn, MI.** Directed the performance of a complete condition assessment and compliance review of 2 UST's at this facility to maintain compliance with state requirements. The work included performance of precision integrity testing of tanks and lines, repairs to dispenser pumps, complete cathodic protection system evaluation and repair of dielectric unions, and management/monitoring of the UST system for approximately one year before taking the system out of service.
- **TRW, Inc: AST System Design / Detroit MI.** Design of four above ground storage tank systems including tanks, secondary containment, level and leak monitoring, pumping and piping systems, and heating for automotive component manufacturer in Southeastern Michigan.
- **GM/Delphi Steering Systems: AST Assessments / Saginaw, MI.** Performed visual inspections, engineering study, and ultrasonic thickness evaluations on two 10,000-gallon AST's containing sulfuric acid and spent solvents.

- **IBM, Inc: Steel Containment Structure Design /Southeastern NY.** Design plans and specifications for steel containment structures and gratings to be retrofit to 11 vaulted Tanks containing hazardous materials, in an area where potential for explosion is severe, to facilitate future integrity testing.
- **Detroit Edison: AST Evaluation Procedures for SPCC Compliance/ Detroit, MI.** Provided technical support to DTE during the preparation of Integrated Contingency Plans (ICP's) including recommended AST testing frequency and procedures in accordance with API and STI published guidance
- **Ford Motor Co.: Integrated Spill Plans / Stormwater Management Plans / Mid West.** Directed the development of several "Green" Integrated Emergency Response Plans and Stormwater Management Plans for this client. These plans accounted for regulatory requirements as well as BMP's and common sense Engineering components associated with bulk fluid storage, solids storage, waste, runoff, emissions, adjacent properties, and the possible occurrence of various disasters and the subsequent planning for Business Resumption.
- **General Motors: Nationwide UST Management Seminars /.** Project coordinator and instructor for Nationwide Underground Storage Tank Management Seminars; designed to train approximately 200 environmental managers for this major automobile manufacturer
- **Chrysler, Jeep & Truck Engineering: UST System Design / Detroit MI.** Directed the design and installation of three state-of-the-art UST and fuel delivery systems at this Automotive test facility in Detroit, MI. These systems included full scale leak detection capabilities and supplied dynamometer test cell with various grades of test fuels via supply and return systems with custom designed, gravity fed overflow type weir boxes.
- **Chrysler Corp: Episode / Emergency Response Plans / International.** Directed the preparation of Episode Plans for this major Automotive manufacturer since their inception in 1982. The Integrated spill plans had been prepared under Mr. Adamowski's direction at nearly 70% of their U.S. based, Canadian and Mexican facilities. This has amounted to literally hundreds of plans and updates. These plans have included multiple environmental regulations (SPCC, RCRA, TSCA, CERCLA, SARA, UST/AST, State, local requirements, etc.) as well as disaster preparedness, industrial hygiene and safety issues. They require a dedicated team and attention to detail, as well as the ability to function expeditiously in the event of an emergency.
- **Chrysler Corp: UST Management Program / Highland Park MI.** Management of a Nationwide UST Program for this major Automotive Manufacturer. The program included development of a Survey form, Users' manual, and a Risk model. The forms and model were used by 36 facilities throughout the U.S. Information collected included data relative to physical tank properties, environmental issues, risk parameters and adaptability of each system to tank integrity testing. Following risk ranking, UST's were systematically tested, removed and/or replaced with both UST's and AST's at facilities across the U.S. The program was ultimately valued at over \$200M and required 10 years to implement. Many sites had identified leaks and required subsequent investigation, reporting and remediation. The program required extensive travel by multiple teams, relocation of staff, placement of staff in the clients headquarters, and daily communication for the duration of the program.

Publications

Adamowski, S. J., Enochs, M.B., et al. Energy Workshop: "Who Wants to be an Energy Millionaire?", presented at the Malcolm Pirnie Technical Symposium, Hartford, CT, January, 2001

Adamowski, S.J., Enochs, M.B; "Energy Audits Identify Cost Savings"; presented at the DTE Energy Seminar, Livonia, Michigan, March, 2001

Nestor, A.S., Adamowski, S.J., **"Strategic Remediation of Impacted Properties in Concert With Regulatory Agencies,"** presented at the HMCLI Hazardous Waste Conferences, Washington DC, November 1994.

Cormier, S.L., Adamowski, S.J., **"Facility Demolition and Deactivation,"** presented at the Western New York Symposium, Buffalo NY, December 1992.

Adamowski, S.J., Capponi, P.J., Novotny, J.F., **"Case Study: A Site Specific Ground Water Remediation System,"** presented at the HAZTECH International Conference, Houston TX, February 1991.

Adamowski, S.J., Nestor, A.S., Gavagan, T.A., **"A National Approach to UST Removal, Replacement and Retrofit,"** presented at the HAZTECH International 1990 Conference, Houston TX, May 1990.

Adamowski, S.J., Dent, M.J., **"Design of a Soil and Ground Water Remediation System,"** presented at the HAZTECH International 1990 Conference, Pittsburgh PA, October 1990.

Carpenter, K.L., Adamowski, S.J., **"Release Detection for Existing UST Systems,"** presented at ENSOL 1990, Santa Clara CA, September 1990.

Carpenter, K.L., Adamowski, S.J., **"Underground Storage Tank Retrofits as an Interim Measure,"** presented at the HAZTECH International 1990 Conference, Houston TX, May 1990.

Adamowski, S.J., Capponi, P.J., **"Design and Implementation of a Semi-Passive Ground Water Interception Trench to Remove Dissolved and Immiscible Contaminants,"** presented at a Conference on Petroleum Hydrocarbon and Organic Chemicals in Ground Water of the National Well Water Association, New Orleans LA, April 12-14, 1989.

Jordan, T.A., Adamowski, S.J., Hale, D.W., **"Detection, Prevention and Remediation of Leaking Underground Storage Tanks,"** presented at the Southeastern Conference on Ground Water Issues, Association of Ground Water Scientists and Engineers, Albuquerque NM, March 23-25, 1988.

Adamowski, S.J., et al., . . . , **"Hazardous Waste and Site Remediation: The Engineer's Perspective,"** co-author of Textbook by O'Brien & Gere Engineers. Van Nostrand-Reinhold, 1988.

Adamowski, S.J., Tomik, J.C., Capponi, P.J., **"Underground Storage System Assessment and Remediation: A Nationwide Perspective,"** presented at the Annual Conference of the Water Pollution Control Federation, Philadelphia PA, October 4-7, 1987.

Knowles, G. D., Adamowski, S.J., Capponi, P.J., **"Ground Water Monitoring at a Municipal Solid Waste Landfill,"** presented at a Conference of the New York State Association for Solid Waste Management, Alexandria Bay NY, October 6, 1986.

Adamowski, S.J., Caracciolo, A.J., Knowles, G.D., **"Underground Storage Systems: An Effective Evaluation Program,"** presented at the General Seminar of the Liquid Industrial Control Association, Dearborn MI, September 6, 1985.

Knowles, G.D., Adamowski, S.J., Lee, G.W., **"Evaluation of a Contaminated Aquifer's Restoration Potential,"** presented at the National Conference on Environmental Engineering of the American Society of Civil Engineers, Los Angeles CA, June 25-27, 1984.

Lee, G.W., Knowles, G.D., Adamowski, S.J., **"Investigation of Subsurface Discharge from a Metal Finishing Industry,"** presented at the Fourth National Conference on Management of Uncontrolled Hazardous Waste Sites, Washington DC, October 1983.

Knowles, G.D., Lee, G.W., Adamowski, S.J., **"Hazardous Waste Site Field Investigations: Geophysical Techniques Utilized for Cost-Effectiveness,"** presented at the Second Ohio Environmental Engineering Conference, Columbus OH, March 1982.